C.J.V.R. — INDEX — R.C.R.V.
VOLUME 50 — 1986

Author Index — Index des auteurs

Achard, F., 106
Afshar, A., 118, 422
Aherne, F.X., 96, 532
Albassam, M.A., 88, 397
Allen, D.G., 23
Almond, G.W., 205
Archambault, D., 126
Artsob, H., 42
Atilola, M.A.O., 282

Bailey, D., 101
Baker, R.J., 3
Ball, R.O., 393
Barker, C.A.V., 369
Barnum, D.A., 120, 133
Barto, P.B., 193
Basrur, P.K., 494
Bast, T., 74
Bayley, H.S., 393
Beiner, L., 115
Bellamy, J.E.C., 1
Benn, D.M., 54
Bhasin, J.L., 36
Black, W.D., 444
Blackshear, P., 342
Blecha, F., 522
Bohac, J.G., 351
Booth, N.H., 251
Boothby, J.T., 200
Bosu, W.T.K., 68, 184, 369
Brasseur, L., 188
Breton, J., 338, 537
Britney, J.B., 7
Brown, C., 289
Brown, J., 251
Bull, R.C., 410
Burrows, G.E., 193
Butler, D.G., 84

Carter, R.F., 154
Chang, K., 217
Chapman, H.W., 84, 291
Cheng, K.W., 427
Cherbut, C., 106
Cho, H.J., 27
Christopherson, R.J., 96
Clark, J.D., 251
Clarke, R.C., 165
Clerbaux, Th., 188
Costerton, J.W., 272
Crane, S., 265
Crichlow, A.M., 272

D'Allaire, S., 78
Daniel, R.C.W., 133
Dea, S., 126, 130
Denavit, M., 106
Derbyshire, J.B., 232, 384
DeRoth, L., 78
Doble, E., 427, 540
Doherty, T.J., 517
Dohoo, I.R., 485
Drake, T.R., 217
Dulac, G.C., 118, 422
Dyson, D.H., 23

Elazhary, M.A.S.Y., 126, 130
Exon, J.H., 297

Farrell, R.L., 526
Forbes, L.B., 485
Forsyth, G.W., 509
Friedman, D.S., 342
Friendship, R.M., 205, 209

Gebhart, G.J., 217
Giovannetti, D.I., 120
Godbout-DeLasalle, F., 418
Goltz, J.P., 59
Grieve, D.G., 7
Groom, S.C., 238
Guard, C.L., 342
Gyles, C.L., 165

Hacker, R.R., 205, 209
Haluska, M., 342
Harris, W.H., 74
Harrison, L.R., 526
Hasso, S.A., 287
Hatch, R.C., 251
Hazlett, M.J., 238
Henrichsen, J., 537
Heuther, P., 540
Higgins, R., 418
Hilt, L., 537
Hlywka, G., 47
Hoover, D.M., 47
Hunter, D.B., 47

Iimori, S., 479
Isayama, Y., 438

Jacobs, R.M., 115, 123
Jacques, M., 272
Jansen, B., 115
Jasper, D.E., 200
Jericho, K.W.F., 27, 136
Jernigan, A.D., 251
Johnston, D., 42
Johnston, R., 543
Johnstone, I.B., 265

Kasari, T.R., 502
Kashiwazaki, M., 438
Kelton, D., 184
Kerr, J.A., 47
King, G.J., 369
Kinson, G.A., 433
Kluber III, E.F., 522
Koller, L.D., 297
Kopecky, K.E., 259
Koschik, C., 174
Kronfeld, D.S., 402
Ku, P.K., 390
Kvasnicka, W.G., 259

Lam, K.M., 380
Lampotang, V., 42
Leslie, K.E., 184
Liggett, A.D., 526
Lillie, L.E., 397
Lin, W., 380
Lintner, V., 217
Lipham, L.B., 251
Liptrap, R.M., 427, 540
Lissemore, K., 184
Little, P.B., 238
Lobinowich, E.M., 221
Loewen, K.G., 232
Lopez, A., 101, 397
Lumsden, J.H., 54, 154, 282
Lynch, J.A., 384

MacInnes, C., 42
Mann, E.D., 174
Martin, B., 193
Martin, S.W., 7, 15, 179, 209, 307, 314, 347, 351
Matejka, F., 42
McCraw, B.W., 59
McDonald, T.J., 259
McDonell, W.N., 275, 494, 517
McKeown, D.B., 54
McMillan, I., 7, 205, 209
Meek, A.H., 7, 15, 307, 314, 347
Miller, E.R., 390
Miller, L.D., 245
Miller, R.B., 68
Mitchell, W.R., 338, 537
Monteith, G., 517
Morwood-Clark, M., 397
Muckle, C.A., 543
Murtaugh, R.J., 123
Myers, D.J., 280

Nakamura, K., 438
Nakano, T., 96, 532
Nayar, G.P.S., 174
Naylor, J.M., 402, 502, 509
Newell, M., 84
Nielsen, K., 227
Niilo, L., 32
Niven, D.F., 441

O'Brien, P.J., 318, 329
O'Dorisio, T.M., 123
O'Grady, M.R., 23
O'Reilly, T., 441

Olander, H.J., 88
Olson, D.P., 410
Olson, G.R., 245
Olson, L.D., 359, 365
Olson, M.E., 272
Osborne, A.D., 272

Pandey, R., 287
Pascoe, P.J., 23, 275, 517
Percy, D.H., 36
Physick-Sheard, P.W., 449, 457, 471
Pieper, R., 205
Poitras, B.J., 68
Pollmann, D.S., 522
Prescott, J.F., 47, 543
Pugh, Jr., G.W., 259

Randall, G.C.B., 280
Reimers, T.J., 285
Robertson, F.J., 485
Roche, M., 106
Rodabaugh, D.E., 359
Rooke, F., 282
Rosendal, S., 36, 59, 179, 338, 537
Rowsell, H.C., 433
Roy, R.S., 126, 130
Ruckerbauer, G.M., 485
Ruhnke, H.L., 59
Russell, M., 471

Samagh, B.S., 221, 485
Sarkar, K., 433
Schwabe, C.W., 145
Schwark, W.S., 342
Seeler, D.C., 494
Sekla, L.H., 174
Serteyn, D., 188
Sharma, A., 101, 397
Sherding, R.G., 123
Shettigara, P.T., 221
Shoya, S., 438
Southern, B.G., 374
Spence, L., 42
Stirtzinger, T., 115
Stone, J.B., 7
Stubbings, R.B., 369
Swaminathan, S.S., 205, 209

Takai, S., 479
Takov, R., 209
Tessler, J., 111
Th'ng, C., 42
Thacker, H.L., 88
Thomas, C.B., 200
Thomas, F.C., 280
Thompson, J.R., 96, 374, 532
Truscott, R.B., 289
Tsubaki, S., 479
Turek, J.J., 88

Ullrey, D.E., 390

Valli, V.E.O., 3, 115, 154
Voigt, D., 42

Waltner-Toews, D., 307, 314, 347
Wang, L.X., 540
Watson, N., 444
Watt, I., 42
White, M.E., 285
Wilkie, B.N., 68
Willems, E., 188
Wilson, M.R., 205, 209
Wilson, R.C., 251
Wilson, T.M., 217
Wright, P.F., 422, 485

Yamashiro, S., 74
Yong, S., 101, 397

Zhang, W.R., 390

Subject Index — Index des sujets

A

4-Aminopyridine
— Prompt Arousal from Fentanyl-Droperidol-Pentobarbital Anesthesia in Dogs: A Preliminary Study, 251
Abattoirs
— *Streptococcus suis* in Slaughter Pigs and Abattoir Workers, 338
Abomasum
— Abomasal Intubation of Young Calves, 291
Acid-base Balance
— The Alkalinizing Effects of Metabolizable Bases in the Healthy Calf, 509
Agar Gel Precipitation Test
— Possible Sex Differences in the Susceptibility of Calves to Rotavirus Infection, 287
Agar Gel Immunodiffusion
— Eradication of Bovine Leukemia Virus Infection in Commercial Dairy Herds Using the Agar Gel Immunodiffusion Test, 221
Agricultural System
— The Relationship Among Current Management Systems, Production, Disease and Drug Usage on Ontario Dairy Farms, 7
Alkaline Phosphatase
— Effect of Sex and Age on the Activities of Lactate Dehydrogenase and Alkaline Phosphatase in the Lungs of Rats, 397
Alkalinizing Fluids
— The Alkalinizing Effects of Metabolizable Bases in the Healthy Calf, 509
Amino Acids
— Time Course Changes in Blood Metabolites During Endotoxin Fever in Sheep, 374
Amino Acid Oxidation
— The Effect of Diarrhea on the Oxidation of ^{14}C-Phenylalanine in Piglets Receiving Diets Varying in Protein and Proline Concentration, 393
Anabolic Steroids
— Embryo Resorption Following Administration of Steroidal Compounds to Rats in Mid Pregnancy, 433
Animal Models in Research
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145
Animals
— The Two Faces of Selenium — Deficiency and Toxicity — are Similar in Animals and Man, 297
Antagonism of Anesthesia
— Prompt Arousal from Fentanyl-Droperidol-Pentobarbital Anesthesia in dogs: A Preliminary Study, 251
Antibody Responses
— Antibody Responses in Protein-energy Restricted Beef Cows and Their Cold Stressed Progeny, 410
Antibody Titer
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
Antigen Detection
— Preliminary Observations on the Use of Latex Agglutination Test for the Detection of Mastitis due to *Streptococcus agalactiae* in Cows, 133
Antimicrobial
— A Path Model of Factors Influencing Morbidity and Mortality in Ontario Feedlot Calves, 15
Antiviral Drugs
— Interferon Induction with Polyinosinic:Polycytidylic Acid in the Newborn Piglet, 232
API ZYM Systems
— An Evaluation of the API ZYM System as a Means of Identifying *Haemophilus somnus* and Related Taxa, 238
Arboviruses
— Arbovirus Infections in Several Ontario Mammals, 1975-1980, 42
Arousal from Anesthesia
— Prompt Arousal from Fentanyl-Droperidol-Pentobarbital Anesthesia in dogs: A Preliminary Study, 251

Arrhythmia
— Studies on the Pathogenesis of Heart Lesions in Dogs Infected with Pseudorabies Virus, 245
Artificial Rearing
— Decreased Mononuclear Cell Response to Mitogens in Artificially Reared Neonatal Pigs, 522
Association
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
Atrophic Rhinitis
— Prevalence of Respiratory Diseases and their Association with Growth Rate and Space in Randomly Selected Swine Herds, 209
Aujeszky's Disease
— Development of Evaluation of an Indirect Enzyme Immunoassay for Detection of Porcine Antibodies to Pseudorabies Virus, 422
— Studies on the Pathogenesis of Heart Lesions in Dogs Infected with Pseudorabies Virus, 245

B

Beef Feedlot Cattle
— A Path Model of Factors Influencing Morbidity and Mortality in Ontario Feedlot Calves, 15
Beef Cattle
— Antibody Responses in Protein-energy Restricted Beef Cows and Their Cold Stressed Progeny, 410
Beta Toxin
— Experimental Production of Hemorrhagic Enterotoxemia by *Clostridium perfringens* Type C in Maturing Lambs, 32
Biochemistry Reference Values
— Hematology and Biochemistry Reference Values for the Ranch Fox, 54
Biotyping
— Biotyping of Clinical Isolates of *Escherichia coli* of Animal Origin, using the Analytab API 20E System, 418
Blood Flow
— Blood Flow Distribution in Hind Limb Bones and Joint Cartilage from Young Growing Pigs, 96
Bluetongue Virus
— Attempts to Establish Congenital Bluetongue Virus Infections In Calves, 280
Boar
— Effect of Cortisol on Luteinizing Hormone Release During Sexual Behavior in the Boar, 540
— Plasma Concentration Profiles of Gonadotrophins and Testosterone in the Adult Boar, 427
Bone Marrow
— Dysmyelopoiesis in the Cat: A Hematological Disorder Resembling Refractory Anemia with Excess Blasts in Man, 3
Bone
— Blood Flow Distribution in Hind Limb Bones and Joint Cartilage from Young Growing Pigs, 96
Bovine IgA
— A Method for Preparation of IgA from Bovine Mammary Secretions, 227
Bovine Herpesvirus 1
— Induction of Immunity Against Pneumonic Pasteurellosis Following Experimental Infection in Calves, 27
Bovine Leukemia Virus
— Eradication of Bovine Leukemia Virus Infection in Commercial Dairy Herds Using the Agar Gel Immunodiffusion Test, 221
Bovine Mastitis
— Comparison of the API Staph-Ident and DMS Staph Trac Micromethods for the Identification of Coagulase-negative Staphylocci, 120
Bovine Respiratory Disease
— Application of a Modified Indirect Fluorescent Antibody Test to the Detection of Antibodies to Bovine Respiratory Syncytial Virus in Ontario Cattle, 384
Bovine Respiratory Syncytial
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
Bovine Respiratory Syncytial Virus
— Application of a Modified Indirect Fluorescent Antibody Test to the Detection of Antibodies to Bovine Respiratory Syncytial Virus in Ontario Cattle, 384
Bovine Semen
— The Failure of Fluofamide to Control Ureaplasma in Bovine Semen, 289
Bovine Virus Diarrhea
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
Bronchoalveolar Cells
— Effect of Sex, Age, Number of Bronchoalveolar Lavages and Quantitation Methods on the Bronchoalveolar Cell Counts in Rats, 101
Bronchoalveolar Lavage
— Effect of Sex, Age, Number of Bronchoalveolar Lavages and Quantitation Methods on the Bronchoalveolar Cell Counts in Rats, 101
Brucellosis
— A Comparison of Five Serological Tests for Bovine Brucellosis, 485

C

Calcium
— Porcine Malignant Hyperthermia Susceptibility: Hypersensitive Calcium-release Mechanism of Skeletal Muscle, Sarcoplasmic Reticulum, 318
— Porcine Malignant Hyperthermia Susceptibility: Increased Calcium-sequestering Activity of Skeletal Muscle Sarcoplasmic Reticulum, 329
Calves
— Abomasal Intubation of Young Calves, 291
— Age-related Alterations in Trimethoprim-Sulfadiazine Disposition Following Oral or Parenteral Administration in Calves, 342
— The Alkalinizing Effects of Metabolizable Bases in the Healthy Calf, 509
— Antibiotic Disposition in Experimental Pneumonic Pasteurellosis: Gentamicin and Tylosin, 193
— Further Studies on the Clinical Features and Clinicopathological Findings of a Syndrome of Metabolic Acidosis with Minimal Dehydration in Neonatal Calves, 502
— Galactose Epimeraseless Mutants of *Salmonella typhimurium* as Live Vaccines for Calves, 165
— Genomic Variations and Antigenic Relationships among Cytopathic Rotavirus Strains Isolated in Quebec Dairy Herds, 126
— Infection with *Cryptosporidium* spp. in Humans and Cattle in Manitoba, 174
— Possible Sex Differences in the Susceptibility of Calves to Rotavirus Infection, 287
— The Route of Liquids Administered to Calves by Esophageal Feeder, 84
Calving Age
— The Effect of Early Calfhood Health Status on Survivorship and Age at First Calving, 314
Campylobacter
— An Epidemiological Study of Selected Calf Pathogens on Holstein Dairy Farms in Southwestern Ontario, 307
— Porcine Proliferative Enteritis: Serological, Microbiological and Pathological Studies from Three Field Epizootics, 217
Campylobacter jejuni
— Campylobacter Colitis in Ranch Mink in Ontario, 47
Canine Amylase
— Effects of Xylazine Administration on Serum Amylase, Pancreas-specific Isoamylase and Pancreatic Polypeptide in Normal Dogs, 123
Carbadox
— Probable Elimination of Swine Dysentery After Feeding Ronidazole, Carbadox or Lincomycin and Verification by Feeding Sodium Arsanilate, 365

Carcinogenicity
— The Two Faces of Selenium — Deficiency and Toxicity — are Similar in Animals and Man, 297
Cardiopulmonary
— Cardiopulmonary Effects of Xylazine and Yohimbine in Laterally Recumbent Sheep, 517
Cardiopulmonary Function
— Evaluation of a Xylazine-Ketamine Hydrochloride Combination in the Cat, 23
Career
— Career Profile of the Canadian Standardbred I. Influence of Age, Gait and Sex upon Chances of Racing, 449
— Career Profile of the Canadian Standardbred II. Influence of Age, Gait and Sex upon Number of Races, Money Won and Race Times, 457
— Career Profile of the Canadian Standardbred III. Influence of Temporary Absence from Racing and Season, 471
Carrier State
— Infectious Bovine Keratoconjunctivitis: Comparison of Infection, Signs of Disease and Weight Gain in Vaccinated versus Nonvaccinated Purebred Hereford Heifer Calves, 259
Cartilage
— Blood Flow Distribution in Hind Limb Bones and Joint Cartilage from Young Growing Pigs, 96
Castration
— Plasma Concentration Profiles of Gonadotrophins and Testosterone in the Adult Boar, 427
Cat
— Dysmyelopoiesis in the Cat: A Hematological Disorder Resembling Refractory Anemia with Excess Blasts in Man, 3
— Evaluation of a Xylazine-Ketamine Hydrochloride Combination in the Cat, 23
— Relationships Between Electromyographic Ileal and Colonic Motility Patterns in Cats During Fasting and Feeding, 106
Cattle
— The Association Between Serological Evidence of Mycoplasma Infection and Respiratory Disease in Feedlot Calves, 179
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
— Milk Progesterone Concentrations Following Simultaneous Administration of Buserelin and Cloprostenol in Cattle with Normal Corpora Lutea, 285
— Pharmacokinetic Study of Chloramphenicol in Calves Using Sensitive Gas-Liquid Chromatographic Analysis, 444
Cellular Immunity
— Decreased Mononuclear Cell Response to Mitogens in Artificially Reared Neonatal Pigs, 522
Cerebrospinal Angiopathy
— Perivascular Eosinophilic Droplets in Swine Brain Induced by *Escherichia coli* Toxin, 438
Chlamydial Strains
— Potential Subtypes of *Chlamydia psittaci* Based on Effects of Cortisone with Cytochalasin B or Cycloheximide, 111
Chloramphenicol
— Pharmacokinetic Study of Chloramphenicol in Calves Using Sensitive Gas-Liquid Chromatographic Analysis, 444
Chromotography
— A Method for Preparation of IgA from Bovine Mammary Secretions, 227
Classification
— The Cytology, Histology and Prevalence of Cell Types in Canine Lymphoma Classified According to the National Cancer Institute Working Formulation, 154
Clostridium perfringens
— Experimental Production of Hemorrhagic Enterotoxemia by *Clostridium perfringens* Type C in Maturing Lambs, 32
Coagulase-Negative Staphylococci
— Comparison of the API Staph-Ident and DMS Staph Trac Micromethods for the Identification of Coagulase-negative Staphylocci, 120
Cold Stress
— Antibody Responses in Protein-energy Restricted Beef Cows and Their Cold Stressed Progeny, 410
Colitis
— Campylobacter Colitis in Ranch Mink in Ontario, 47
Collagen Crosslink
— Distribution of Glycosaminoglycans and the Nonreducible Collagen Crosslink, Pyridinoline in Porcine Menisci, 532
Comparative Medicine
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145
Conception Rates
— The Effects of Gonadotrophin Releasing Hormone Administration Four Days After Insemination on First-service Conception Rates and Corpus Luteum Function in Dairy Cows, 184
Conditioning Stimulus
— The Noxious Effects of Electroimmobilization in Adult Holstein Cows: A Pilot Study, 275
Congenital Infection
— Attempts to Establish Congenital Bluetongue Virus Infections In Calves, 280
Copulation
— Effect of Cortisol on Luteinizing Hormone Release During Sexual Behavior in the Boar, 540
Coronavirus
— An Epidemiological Study of Selected Calf Pathogens on Holstein Dairy Farms in Southwestern Ontario, 307
Corpora Lutea
— Serum Progesterone Concentrations Associated with Superovulation and Premature Corpus Luteum Failure in Dairy Goats, 369
Cortisol
— Effect of Cortisol on Luteinizing Hormone Release During Sexual Behavior in the Boar, 540
Cortisone
— Potential Subtypes of *Chlamydia psittaci* Based on Effects of Cortisone with Cytochalasin B or Cycloheximide, 111
Corynebacterium equi
— Quantitative Fecal Culture for Early Diagnosis of *Corynebacterium (Rhodococcus) equi* Enteritis in Foals, 479
Coulter Counter
— A Comparison of Manual and Electronic Counting for Total Nucleated Cell Counts on Synovial Fluid from Canine Stifle Joints, 282
Cows
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
— A Comparison of Five Serological Tests for Bovine Brucellosis, 485
— The Effects of Gonadotrophin Releasing Hormone Administration Four Days After Insemination on First-service Conception Rates and Corpus Luteum Function in Dairy Cows, 184
— The Noxious Effects of Electroimmobilization in Adult Holstein Cows: A Pilot Study, 275
Creatine Kinase
— Evaluation of a Commercial Creatine Kinase Screening Test for Malignant Hyperthermia (Porcine Stress Syndrome), 494
Cryptosporidiosis
— Infection with *Cryptosporidium* spp. in Humans and Cattle in Manitoba, 174
Culling
— The Effect of Early Calfhood Health Status on Survivorship and Age at First Calving, 314
Culture Viability
— Tryptone-Yeast Extract Broth as a Culture Medium for *Haemophilus pleuropneumoniae* and *Haemophilus parasuis* to be used as Challenge Inocula, 441
Culture Turbidity
— Tryptone-Yeast Extract Broth as a Culture Medium for *Haemophilus pleuropneumoniae* and *Haemophilus parasuis* to be used as Challenge Inocula, 441
Cycloheximide
— Potential Subtypes of *Chlamydia psittaci* Based on Effects of Cortisone with Cytochalasin B or Cycloheximide, 111

Cystic Ovary
— Milk Progesterone Concentrations Following Simultaneous Administration of Buserelin and Cloprostenol in Cattle with Normal Corpora Lutea, 285
Cytochalasin B
— Potential Subtypes of *Chlamydia psittaci* Based on Effects of Cortisone with Cytochalasin B or Cycloheximide, 111
Cytology
— The Cytology, Histology and Prevalence of Cell Types in Canine Lymphoma Classified According to the National Cancer Institute Working Formulation, 154
Cytopathic
— Genomic Variations and Antigenic Relationships among Cytopathic Rotavirus Strains Isolated in Quebec Dairy Herds, 126
Cytopenia
— Dysmyelopoiesis in the Cat: A Hematological Disorder Resembling Refractory Anemia with Excess Blasts in Man, 3
Cytotoxicity
— Antibody-mediated Resistance Against Duck Enteritis Virus Infection, 380
Cytotoxin Neutralizing Antibody
— Induction of Immunity Against Pneumonic Pasteurellosis Following Experimental Infection in Calves, 27

D

Dairy
— The Effects of Gonadotrophin Releasing Hormone Administration Four Days After Insemination on First-service Conception Rates and Corpus Luteum Function in Dairy Cows, 184
Dairy Calf
— The Effect of Early Calfhood Health Status on Survivorship and Age at First Calving, 314
— An Epidemiological Study of Selected Calf Pathogens on Holstein Dairy Farms in Southwestern Ontario, 307
— Selenium Content in the Hair of Newborn Dairy Heifer Calves and its Association with Preweaning Morbidity and Mortality, 347
Deficiency
— The Two Faces of Selenium — Deficiency and Toxicity — are Similar in Animals and Man, 297
Demography
— Career Profile of the Canadian Standardbred I. Influence of Age, Gait and Sex upon Chances of Racing, 449
— Career Profile of the Canadian Standardbred II. Influence of Age, Gait and Sex upon Number of Races, Money Won and Race Times, 457
— Career Profile of the Canadian Standardbred III. Influence of Temporary Absence from Racing and Season, 471
Depression
— Relationships Between Metabolic Changes and Clinical Signs in Pregnant Sheep Given Endotoxin, 402
Desmopressin
— The Effects of Desmopressin on Hemostatic Parameters in the Normal Dog, 265
Dianabol
— Embryo Resorption Following Administration of Steroidal Compounds to Rats in Mid Pregnancy, 433
Diaphragm
— Proliferation of Myogenic Cells in the Diaphragm of the Fetal Rabbit, 74
Diarrhea
— Campylobacter Colitis in Ranch Mink in Ontario, 47
— Distinct Serotypes of Porcine Rotavirus Associated with Diarrhea in Suckling Piglets in Southern Quebec, 130
— The Effect of Diarrhea on the Oxidation of ^{14}C-Phenylalanine in Piglets Receiving Diets Varying in Protein and Proline Concentration, 393
— Infection with *Cryptosporidium* spp. in Humans and Cattle in Manitoba, 174
Diarrhea Recurrences
— Feeding Sodium Arsanilate for Exciting Diarrhea and Identifying Carriers of Swine Dysentery, 359
— Probable Elimination of Swine Dysentery After Feeding Ronidazole, Carbadox or Lincomycin and Verification by Feeding Sodium Arsanilate, 365
Dietary Restriction
— Antibody Responses in Protein-energy Restricted Beef Cows and Their Cold Stressed Progeny, 410
Disease Occurrence
— The Relationship Among Current Management Systems, Production, Disease and Drug Usage on Ontario Dairy Farms, 7
Dogs
— A Comparison of Manual and Electronic Counting for Total Nucleated Cell Counts on Synovial Fluid from Canine Stifle Joints, 282
— The Cytology, Histology and Prevalence of Cell Types in Canine Lymphoma Classified According to the National Cancer Institute Working Formulation, 154
— The Effects of Desmopressin on Hemostatic Parameters in the Normal Dog, 265
Doxapram
— Prompt Arousal from Fentanyl-Droperidol-Pentobarbital Anesthesia in Dogs: A Preliminary Study, 251
Drug Usage
— The Relationship Among Current Management Systems, Production, Disease and Drug Usage on Ontario Dairy Farms, 7
Duck Enteritis
— Antibody-mediated Resistance Against Duck Enteritis Virus Infection, 380
Duck Enteritis Virus
— Antibody-mediated Resistance Against Duck Enteritis Virus Infection, 380
Dyserythropoiesis
— Dysmyelopoiesis in the Cat: A Hematological Disorder Resembling Refractory Anemia with Excess Blasts in Man, 3
Dysgranulopoiesis
— Dysmyelopoiesis in the Cat: A Hematological Disorder Resembling Refractory Anemia with Excess Blasts in Man, 3
Dysthrombopoiesis
— Dysmyelopoiesis in the Cat: A Hematological Disorder Resembling Refractory Anemia with Excess Blasts in Man, 3

E

Effect of Body Temperature of the Horse
— Détermination de la courbe de dissociation standard de l'oxyhémoglobine du cheval et influence, sur cette courbe, de la température, du pH et du diphosphoglycérate, 188
Egyptian Medicine
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145
Electroanesthesia
— The Noxious Effects of Electroimmobilization in Adult Holstein Cows: A Pilot Study, 275
Electroimmobilization
— The Noxious Effects of Electroimmobilization in Adult Holstein Cows: A Pilot Study, 275
Electromyography
— Relationships Between Electromyographic Ileal and Colonic Motility Patterns in Cats During Fasting and Feeding, 106
Electronic Cell Counter
— Effect of Sex, Age, Number of Bronchoalveolar Lavages and Quantitation Methods on the Bronchoalveolar Cell Counts in Rats, 101
Eliminating Swine Dysentery
— Probable Elimination of Swine Dysentery After Feeding Ronidazole, Carbadox or Lincomycin and Verification by Feeding Sodium Arsanilate, 365
ELIZA
— A Method for Preparation of IgA from Bovine Mammary Secretions, 227
Embryo
— Embryo Resorption Following Administration of Steroidal Compounds to Rats in Mid Pregnancy, 433
Embryo Resorption
— Embryo Resorption Following Administration of Steroidal Compounds to Rats in Mid Pregnancy, 433

Endotoxin
— Acute Inflammatory Effects of Intratracheally Instilled *Escherichia coli* Endotoxin and Sonicated Suspension of *Haemophilus pleuropneumoniae* in Swine, 526
— Time Course Changes in Blood Metabolites During Endotoxin Fever in Sheep, 374
Endotoxin Shock
— Relationships Between Metabolic Changes and Clinical Signs in Pregnant Sheep Given Endotoxin, 402
Enteritis
— Quantitative Fecal Culture for Early Diagnosis of *Corynebacterium (Rhodococcus) equi* Enteritis in Foals, 479
Enzootic Bovine Leukosis
— Eradication of Bovine Leukemia Virus Infection in Commercial Dairy Herds Using the Agar Gel Immunodiffusion Test, 221
Enzootic Pneumonia
— Prevalence of Respiratory Diseases and their Association with Growth Rate and Space in Randomly Selected Swine Herds, 209
Enzymatic Activity
— An Evaluation of the API ZYM System as a Means of Identifying *Haemophilus somnus* and Related Taxa, 238
Enzyme Activity
— Stability of Glutathione Peroxidase in Swine Plasma Samples under Various Storage, 390
Enzyme Immunoassay
— Development of Evaluation of an Indirect Enzyme Immunoassay for Detection of Porcine Antibodies to Pseudorabies Virus, 422
Epidemiological
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
Epidemiology
— The Association Between Serological Evidence of Mycoplasma Infection and Respiratory Disease in Feedlot Calves, 179
— An Epidemiological Study of Selected Calf Pathogens on Holstein Dairy Farms in Southwestern Ontario, 307
— Infection with *Cryptosporidium* spp. in Humans and Cattle in Manitoba, 174
Equine Bohr Effect
— Détermination de la courbe de dissociation standard de l'oxyhémoglobine du cheval et influence, sur cette courbe, de la température, du pH et du diphosphoglycérate, 188
Equine Hemoglobin Standard Dissociation Curve
— Détermination de la courbe de dissociation standard de l'oxyhémoglobine du cheval et influence, sur cette courbe, de la température, du pH et du diphosphoglycérate, 188
Eradication
— Eradication of Bovine Leukemia Virus Infection in Commercial Dairy Herds Using the Agar Gel Immunodiffusion Test, 221
Escherichia coli
— Acute Inflammatory Effects of Intratracheally Instilled *Escherichia coli* Endotoxin and Sonicated Suspension of *Haemophilus pleuropneumoniae* in Swine, 526
— Biotyping of Clinical Isolates of *Escherichia coli* of Animal Origin, using the Analytab API 20E System, 418
— An Epidemiological Study of Selected Calf Pathogens on Holstein Dairy Farms in Southwestern Ontario, 307
— Perivascular Eosinophilic Droplets in Swine Brain Induced by *Escherichia coli* Toxin, 438
— Relationships Between Metabolic Changes and Clinical Signs in Pregnant Sheep Given Endotoxin, 402
Esophageal Feeder
— The Route of Liquids Administered to Calves by Esophageal Feeder, 84
Estradiol
— Embryo Resorption Following Administration of Steroidal Compounds to Rats in Mid Pregnancy, 433
Exciting Diarrhea
— Feeding Sodium Arsanilate for Exciting Diarrhea and Identifying Carriers of Swine Dysentery, 359
Experimental Bronchopneumonia
— Experimental Pneumonia in Rabbits Inoculated with Strains of *Pasteurella multocida*, 36

F

Factor VIII
— The Effects of Desmopressin on Hemostatic Parameters in the Normal Dog, 265
Feeding Behavior
— Relationships Between Electromyographic Ileal and Colonic Motility Patterns in Cats During Fasting and Feeding, 106
Fentanyl-Droperidol-Pentobarbital
— Prompt Arousal from Fentanyl-Droperidol-Pentobarbital Anesthesia in Dogs: A Preliminary Study, 251
Fentanyl-Droperidol
— Prompt Arousal from Fentanyl-Droperidol-Pentobarbital Anesthesia in Dogs: A Preliminary Study, 251
Fetal Rabbit
— Proliferation of Myogenic Cells in the Diaphragm of the Fetal Rabbit, 74
Fetal Infection
— Attempts to Establish Congenital Bluetongue Virus Infections In Calves, 280
Fever
— Time Course Changes in Blood Metabolites During Endotoxin Fever in Sheep, 374
Fluid Therapy
— The Alkalinizing Effects of Metabolizable Bases in the Healthy Calf, 509
— The Route of Liquids Administered to Calves by Esophageal Feeder, 84
Flurofamide
— The Failure of Flurofamide to Control Ureaplasma in Bovine Semen, 289
Follicle Stimulating Hormone
— Plasma Concentration Profiles of Gonadotrophins and Testosterone in the Adult Boar, 427
Fox
— Hematology and Biochemistry Reference Values for the Ranch Fox, 54

G

Galactose Epimeraseless Mutants
— Galactose Epimeraseless Mutants of *Salmonella typhimurium* as Live Vaccines for Calves, 165
Genetic Influences
— Infectious Bovine Keratoconjunctivitis: Comparison of Infection, Signs of Disease and Weight Gain in Vaccinated versus Nonvaccinated Purebred Hereford Heifer Calves, 259
Genital Tract
— The Normal Microflora of the Female Rabbit's Genital Tract, 272
Genomic Study
— Distinct Serotypes of Porcine Rotavirus Associated with Diarrhea in Suckling Piglets in Southern Quebec, 130
Genotypes
— Genomic Variations and Antigenic Relationships among Cytopathic Rotavirus Strains Isolated in Quebec Dairy Herds, 126
Gentamicin
— Antibiotic Disposition in Experimental Pneumonic Pasteurellosis: Gentamicin and Tylosin, 193
Glucose
— Relationships Between Metabolic Changes and Clinical Signs in Pregnant Sheep Given Endotoxin, 402
— Time Course Changes in Blood Metabolites During Endotoxin Fever in Sheep, 374
Glutathione Peroxidase
— Stability of Glutathione Peroxidase in Swine Plasma Samples under Various Storage, 390
Glycosaminoglycans
— Distribution of Glycosaminoglycans and the Nonreducible Collagen Crosslink, Pyridinoline in Porcine Menisci, 532
Goat
— Experimental studies on the Pathogenicity of *Mycoplasma ovipneumoniae* and *Mycoplasma arginini* for the Respiratory Tract of Goats, 59

— Serum Progesterone Concentrations Associated with Superovulation and Premature Corpus Luteum Failure in Dairy Goats, 369
Gonadotrophin Releasing Hormone
— The Effects of Gonadotrophin Releasing Hormone Administration Four Days After Insemination on First-service Conception Rates and Corpus Luteum Function in Dairy Cows, 184
— Milk Progesterone Concentrations Following Simultaneous Administration of Buserelin and Cloprostenol in Cattle with Normal Corpora Lutea, 285
Growth and Differentiation
— Proliferation of Myogenic Cells in the Diaphragm of the Fetal Rabbit, 74
Growth-rate
— Prevalence of Respiratory Diseases and their Association with Growth Rate and Space in Randomly Selected Swine Herds, 209

H

Haemophilus parasuis
— Tryptone-Yeast Extract Broth as a Culture Medium for *Haemophilus pleuropneumoniae* and *Haemophilus parasuis* to be used as Challenge Inocula, 441
Haemophilus pleuropneumoniae
— Acute Inflammatory Effects of Intratracheally Instilled *Escherichia coli* Endotoxin and Sonicated Suspension of *Haemophilus pleuropneumoniae* in Swine, 526
— Tryptone-Yeast Extract Broth as a Culture Medium for *Haemophilus pleuropneumoniae* and *Haemophilus parasuis* to be used as Challenge Inocula, 441
Haemophilus somnus
— An Evaluation of the API ZYM System as a Means of Identifying *Haemophilus somnus* and Related Taxa, 238
Hair
— Selenium Content in the Hair of Newborn Dairy Heifer Calves and its Association with Preweaning Morbidity and Mortality, 347
Hematology
— Interferon Induction with Polyinosinic: Polycytidylic Acid in the Newborn Piglet, 232
Hematology Reference Values
— Hematology and Biochemistry Reference Values for the Ranch Fox, 54
Hemorrhagic Enterotoxemia
— Experimental Production of Hemorrhagic Enterotoxemia by *Clostridium perfringens* Type C in Maturing Lambs, 32
Herpesvirus suis
— Studies on the Pathogenesis of Heart Lesions in Dogs Infected with Pseudorabies Virus, 245
Histology
— The Cytology, Histology and Prevalence of Cell Types in Canine Lymphoma Classified According to the National Cancer Institute Working Formulation, 154
History of Medicine
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145
History of Science
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145
Host-parasite Interaction
— Electron Microscopic Studies on the Interaction Between Normal Mice Peritoneal Phagocytes and *Treponema hyodysenteriae*, *Treponema innocens* and *Bacterioides vulgatus*, 88
Human
— Infection with *Cryptosporidium* spp. in Humans and Cattle in Manitoba, 174

I

Identifying Carriers
— Feeding Sodium Arsanilate for Exciting Diarrhea and Identifying Carriers of Swine Dysentery, 359
— Probable Elimination of Swine Dysentery After Feeding Ronidazole, Carbadox or Lincomycin and Verification by Feeding Sodium Arsanilate, 365
Ileocolonic Tract
— Relationships Between Electromyographic Ileal and Colonic Motility Patterns in Cats During Fasting and Feeding, 106
Immunity
— The Two Faces of Selenium — Deficiency and Toxicity — are Similar in Animals and Man, 297
Immunoglobulin
— The Maternal to Fetal Transfer of Immunoglobulins Associated with Placental Lesions in Sheep, 68
Immunoperoxidase Staining
— Immunoperoxidase Plaque Staining for the Detection of Pseudorabies Virus, 118
Indirect Fluorescent Antibody Test
— Application of a Modified Indirect Fluorescent Antibody Test to the Detection of Antibodies to Bovine Respiratory Syncytial Virus in Ontario Cattle, 384
Infectious Bovine Keratoconjunctivitis
— Infectious Bovine Keratoconjunctivitis: Comparison of Infection, Signs of Disease and Weight Gain in Vaccinated versus Nonvaccinated Purebred Hereford Heifer Calves, 259
Infectious Bovine Rhinotracheitis
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
Infusion
— Abomasal Intubation of Young Calves, 291
Inhalation Toxicology
— Effect of Sex and Age on the Activities of Lactate Dehydrogenase and Alkaline Phosphatase in the Lungs of Rats, 397
Insulin
— Time Course Changes in Blood Metabolites During Endotoxin Fever in Sheep, 374
Interferon
— Interferon Induction with Polyinosinic: Polycytidylic Acid in the Newborn Piglet, 232
Intubation
— Abomasal Intubation of Young Calves, 291
Isoamylase
— Effects of Xylazine Administration on Serum Amylase, Pancreas-specific Isoamylase and Pancreatic Polypeptide in Normal Dogs, 123
Isolation
— Isolation of *Streptococcus suis* using a Selective Medium, 537

L

Laboratory Animals
— Effect of Sex and Age on the Activities of Lactate Dehydrogenase and Alkaline Phosphatase in the Lungs of Rats, 397
Lactate Dehydrogenase
— Effect of Sex and Age on the Activities of Lactate Dehydrogenase and Aklaline Phosphatase in the Lungs of Rats, 397
Lactic Acidosis
— Relationships Between Metabolic Changes and Clinical Signs in Pregnant Sheep Given Endotoxin, 402
Lincomycin
— Probable Elimination of Swine Dysentery After Feeding Ronidazole, Carbadox or Lincomycin and Verification by Feeding Sodium Arsanilate, 365
Litter Size
— Sow Wastage: Reason for and Effect on Productivity, 205
Lung Lavage
— Effect of Sex, Age, Number of Bronchoalveolar Lavages and Quantitation Methods on the Bronchoalveolar Cell Counts in Rats, 101
Luteinizing Hormone
— Effect of Cortisol on Luteinizing Hormone Release During Sexual Behavior in the Boar, 540
— Plasma Concentration Profiles of Gonadotrophins and Testosterone in the Adult Boar, 427
Lymphocyte Blastogenesis
— Decreased Mononuclear Cell Response to Mitogens in Artificially Reared Neonatal Pigs, 522

Lymphoma
— The Cytology, Histology and Prevalence of Cell Types in Canine Lymphoma Classified According to the National Cancer Institute Working Formulation, 154

M

Malignant Hyperthermia
— Evaluation of a Commercial Creatine Kinase Screening Test for Malignant Hyperthermia (Porcine Stress Syndrome), 494
— Physiological Responses to Treadmill Exercise and Ambient Temperature in Normal and Malignant Hyperthermia Susceptible Pigs, 78
— Porcine Malignant Hyperthermia Susceptibility: Hypersensitive Calcium-release Mechanism of Skeletal Muscle Sarcoplasmic Reticulum, 318
— Porcine Malignant Hyperthermia Susceptibility: Increased Calcium-sequestering Activity of Skeletal Muscle Sarcoplasmic Reticulum, 329
Mammary Secretions
— A Method for Preparation of IgA from Bovine Mammary Secretions, 227
Man
— The Two Faces of Selenium — Deficiency and Toxicity — are Similar in Animals and Man, 297
Manitoba
— Infection with *Cryptosporidium* spp. in Humans and Cattle in Manitoba, 174
Mastitis
— Experimental Intramammary Inoculation with *Mycoplasma bovis* in Vaccinated and Unvaccinated Cows: Effect of Milk Production and Milk Quality, 200
— Preliminary Observations on the Use of Latex Agglutination Test for the Detection of Mastitis due to *Streptococcus agalactiae* in Cows, 133
Medical History
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145
Meniscus
— Distribution of Glycosaminoglycans and the Nonreducible Collagen Crosslink, Pyridinoline in Porcine Menisci, 532
Metabolic Acidosis
— Further Studies on the Clinical Features and Clinicopathological Findings of a Syndrome of Metabolic Acidosis with Minimal Dehydration in Neonatal Calves, 502
Mycoplasma dispar
— The Association Between Serological Evidence of Mycoplasma Infection and Respiratory Disease in Feedlot Calves, 179
Microflora
— The Normal Microflora of the Female Rabbit's Genital Tract, 272
Micromethods
— Comparison of the API Staph-Ident and DMS Staph Trac Micromethods for the Identification of Coagulase-negative Staphylocci, 120
Microspheres
— Blood Flow Distribution in Hind Limb Bones and Joint Cartilage from Young Growing Pigs, 96
Milk Quality
— Experimental Intramammary Inoculation with *Mycoplasma bovis* in Vaccinated and Unvaccinated Cows: Effect of Milk Production and Milk Quality, 200
Milk Production
— Experimental Intramammary Inoculation with *Mycoplasma bovis* in Vaccinated and Unvaccinated Cows: Effect of Milk Production and Milk Quality, 200
Mink Diseases
— Campylobacter Colitis in Ranch Mink in Ontario, 47
Mink
— Campylobacter Colitis in Ranch Mink in Ontario, 47
Mitotic Rate
— Proliferation of Myogenic Cells in the Diaphragm of the Fetal Rabbit, 74
Moraxella bovis
— Infectious Bovine Keratoconjunctivitis: Comparison of Infection, Signs of Disease and Weight Gain in Vaccinated versus Nonvaccinated Purebred Hereford Heifer Calves, 259
Morbidity
— The Effect of Early Calfhood Health Status on Survivorship and Age at First Calving, 314
— A Path Model of Factors Influencing Morbidity and Mortality in Ontario Feedlot Calves, 15
— Selenium Content in the Hair of Newborn Dairy Heifer Calves and its Association with Preweaning Morbidity and Mortality, 347
Mortality
— A Path Model of Factors Influencing Morbidity and Mortality in Ontario Feedlot Calves, 15
— Prevalence of Respiratory Diseases and their Association with Growth Rate and Space in Randomly Selected Swine Herds, 209
— Selenium Content in the Hair of Newborn Dairy Heifer Calves and its Association with Preweaning Morbidity and Mortality, 347
Muscle Fiber
— Proliferation of Myogenic Cells in the Diaphragm of the Fetal Rabbit, 74
Muscle Physiology
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145
Muscular Disease
— Porcine Malignant Hyperthermia Susceptibility: Hypersensitive Calcium-release Mechanism of Skeletal Muscle Sarcoplasmic Reticulum, 318
— Porcine Malignant Hyperthermia Susceptibility: Increased Calcium-sequestering Activity of Skeletal Muscle Sarcoplasmic Reticulum, 329
Mycoplasma arginini
— Experimental Studies on the Pathogenicity of *Mycoplasma ovipneumoniae* and *Mycoplasma arginini* for the Respiratory Tract of Goats, 59
Mycoplasma bovis
— The Association Between Serological Evidence of Mycoplasma Infection and Respiratory Disease in Feedlot Calves, 179
— Experimental Intramammary Inoculation with *Mycoplasma bovis* in Vaccinated and Unvaccinated Cows: Effect of Milk Production and Milk Quality, 200
Mycoplasma ovipneumoniae
— Experimental Studies on the Pathogenicity of *Mycoplasma ovipneumoniae* and *Mycoplasma arginini* for the Respiratory Tract of Goats, 59
Myelodysplasia
— Dysmyelopoiesis in the Cat: A Hematological Disorder Resembling Refractory Anemia with Excess Blasts in Man, 3
Myoblast
— Proliferation of Myogenic Cells in the Diaphragm of the Fetal Rabbit, 74
Myocarditis
— Studies on the Pathogenesis of Heart Lesions in Dogs Infected with Pseudorabies Virus, 245
Myotube
— Proliferation of Myogenic Cells in the Diaphragm of the Fetal Rabbit, 74

N

Naloxone
— The Effects of Desmopressin on Hemostatic Parameters in the Normal Dog, 265
— Prompt Arousal from Fentanyl-Droperidol-Pentobarbital Anesthesia in Dogs: A Preliminary Study, 251
Necrotic Enteritis
— Experimental Production of Hemorrhagic Enterotoxemia by *Clostridium perfringens* Type C in Maturing Lambs, 32
Neonatal Pigs
— Decreased Mononuclear Cell Response to Mitogens in Artificially Reared Neonatal Pigs, 522
Nitrogen Retention
— The Effect of Diarrhea on the Oxidation of ^{14}C-Phenylalanine in Piglets Receiving Diets Varying in Protein and Proline Concentration, 393

No Centrifugation
— Potential Subtypes of *Chlamydia psittaci* Based on Effects of Cortisone with Cytochalasin B or Cycloheximide, 111

O

Ontario
— Arbovirus Infections in Several Ontario Mammals, 1975-1980, 42
— *Streptococcus suis* in Slaughter Pigs and Abattoir Workers, 338
Oral Fluids
— The Route of Liquids Administered to Calves by Esophageal Feeder, 84
Osteochondrosis
— Blood Flow Distribution in Hind Limb Bones and Joint Cartilage from Young Growing Pigs, 96
Ovine Lymphocyte Stimulation
— *In vitro* Response of Purified Ovine Peripheral Blood Lymphocytes to Phytohemagglutinin-M, 115
Oxyhemoglobin
— Détermination de la courbe de dissociation standard de l'oxyhémoglobine du cheval et influence, sur cette courbe, de la température, du pH et du diphosphoglycérate, 188

P

P_{50}, 2,3-diphosphoglycerate
— Détermination de la courbe de dissociation standard de l'oxyhémoglobine du cheval et influence, sur cette courbe, de la température, du pH et du diphosphoglycérate, 188
Path Analysis
— A Path Model of Factors Influencing Morbidity and Mortality in Ontario Feedlot Calves, 15
Paratuberculosis
— Paratuberculosis Control — Inside Back Cover April 1986
Pathogenicity
— Experimental Studies on the Pathogenicity of *Mycoplasma ovipneumoniae* and *Mycoplasma arginini* for the Respiratory Tract of Goats, 59
Pathogens
— The Importation of Animal Pathogens, Inside Back Cover July 1986
Pancreatic Polypeptide
— Effects of Xylazine Administration on Serum Amylase, Pancreas-specific Isoamylase and Pancreatic Polypeptide in Normal Dogs, 123
Parainfluenza-3
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
— Induction of Immunity Against Pneumonic Pasteurellosis Following Experimental Infection in Calves, 27
Pasteurella haemolytica Aerosol
— Induction of Immunity Against Pneumonic Pasteurellosis Following Experimental Infection in Calves, 27
***Pasteurella* Pneumonia**
— Antibiotic Disposition in Experimental Pneumonic Pasteurellosis: Gentamicin and Tylosin, 193
Pasteurella multocida
— Experimental Pneumonia in Rabbits Inoculated with Strains of *Pasteurella multocida*, 36
Pepsin
— A Method for Preparation of IgA from Bovine Mammary Secretions, 227
Performance
— Career Profile of the Canadian Standardbred I. Influence of Age, Gait and Sex upon Chances of Racing, 449
— Career Profile of the Canadian Standardbred II. Influence of Age, Gait and Sex upon Number of Races, Money Won and Race Times, 457
— Career Profile of the Canadian Standardbred III. Influence of Temporary Absence from Racing and Season, 471
Phagocytosis
— Electron Microscopic Studies on the Interaction Between Normal Mice Peritoneal Phagocytes and *Treponema hyodysenteriae*, *Treponema innocens* and *Bacterioides vulgatus*, 88
Pharmacokinetics
— Antibiotic Disposition in Experimental Pneumonic Pasteurellosis: Gentamicin and Tylosin, 193
Phytohemagglutinin-M
— *In vitro* Response of Purified Ovine Peripheral Blood Lymphocytes to Phytohemagglutinin-M, 115
Pig
— Blood Flow Distribution in Hind Limb Bones and Joint Cartilage from Young Growing Pigs, 96
— Development of Evaluation of an Indirect Enzyme Immunoassay for Detection of Porcine Antibodies to Pseudorabies Virus, 422
— Distribution of Glycosaminoglycans and the Nonreducible Collagen Crosslink, Pyridinoline in Porcine Menisci, 532
— Perivascular Eosinophilic Droplets in Swine Brain Induced by *Escherichia coli* Toxin, 438
— Physiological Responses to Treadmill Exercise and Ambient Temperature in Normal and Malignant Hyperthermia Susceptible Pigs, 78
Piglets
— Distinct Serotypes of Porcine Rotavirus Associated with Diarrhea in Suckling Piglets in Southern Quebec, 130
— Interferon Induction with Polyinosinic: Polycytidylic Acid in the Newborn Piglet, 232
Pili
— Infectious Bovine Keratoconjunctivitis: Comparison of Infection, Signs of Disease and Weight Gain in Vaccinated versus Nonvaccinated Purebred Hereford Heifer Calves, 259
Placental Transfer
— The Maternal to Fetal Transfer of Immunoglobulins Associated with Placental Lesions in Sheep, 68
Plaque Assay
— Immmunoperoxidase Plaque Staining for the Detection of Pseudorabies Virus, 118
Plasma
— Stability of Glutathione Peroxidase in Swine Plasma Samples under Various Storage, 390
Pleurisy
— Prevalence of Respiratory Diseases and their Association with Growth Rate and Space in Randomly Selected Swine Herds, 209
Pleuritis
— Experimental Studies on the Pathogenicity of *Mycoplasma ovipneumoniae* and *Mycoplasma arginini* for the Respiratory Tract of Goats, 59
Pleuropneumonia
— Prevalence of Respiratory Diseases and their Association with Growth Rate and Space in Randomly Selected Swine Herds, 209
Pneumonia
— The Association Between Serological Evidence of Mycoplasma Infection and Respiratory Disease in Feedlot Calves, 179
— Experimental Studies on the Pathogenicity of *Mycoplasma ovipneumoniae* and *Mycoplasma arginini* for the Respiratory Tract of Goats, 59
Polyinosinic: Polycytidylic Acid
— Interferon Induction with Polyinosinic:Polycytidylic Acid in the Newborn Piglet, 232
Porcine Proliferative Enteritis
— Porcine Proliferative Enteritis: Serological, Microbiological and Pathological Studies from Three Field Epizootics, 217
Porcine Stress Syndrome
— Evaluation of a Commercial Creatine Kinase Screening Test for Malignant Hyperthermia (Porcine Stress Syndrome), 494
— Physiological Responses to Treadmill Exercise and Ambient Temperature in Normal and Malignant Hyperthermia Susceptible Pigs, 78
Postinsemination
— The Effects of Gonadotrophin Releasing Hormone Administration Four Days After Insemination on First-service Conception Rates and Corpus Luteum Function in Dairy Cows, 184
Powassan
— Arbovirus Infections in Several Ontario Mammals, 1975-1980, 42

Preleukemic
— Dysmyelopoiesis in the Cat: A Hematological Disorder Resembling Refractory Anemia with Excess Blasts in Man, 3
Prevalence
— An Epidemiological Study of Selected Calf Pathogens on Holstein Dairy Farms in Southwestern Ontario, 307
Progesterone
— The Effects of Gonadotrophin Releasing Hormone Administration Four Days After Insemination on First-service Conception Rates and Corpus Luteum Function in Dairy Cows, 184
— Serum Progesterone Concentrations Associated with Superovulation and Premature Corpus Luteum Failure in Dairy Goats, 369
Proline
— The Effect of Diarrhea on the Oxidation of ^{14}C-Phenylalanine in Piglets Receiving Diets Varying in Protein and Proline Concentration, 393
Prostaglandin
— Milk Progesterone Concentrations Following Simultaneous Administration of Buserelin and Cloprostenol in Cattle with Normal Corpora Lutea, 285
Protein
— The Effect of Diarrhea on the Oxidation of ^{14}C-Phenylalanine in Piglets Receiving Diets Varying in Protein and Proline Concentration, 393
Pseudorabies Virus
— Immunoperoxidase Plaque Staining for the Detection of Pseudorabies Virus, 118
— Development of Evaluation of an Indirect Enzyme Immunoassay for Detection of Porcine Antibodies to Pseudorabies Virus, 422
Pseudorabies
— Studies on the Pathogenesis of Heart Lesions in Dogs Infected with Pseudorabies Virus, 245
Pulmonary
— Acute Inflammatory Effects of Intratracheally Instilled *Escherichia coli* Endotoxin and Sonicated Suspension of *Haemophilus pleuropneumoniae* in Swine, 526
Pulmonary Enzymes
— Effect of Sex and Age on the Activities of Lactate Dehydrogenase and Alkaline Phosphatase in the Lungs of Rats, 397
Purification
— A Method for Preparation of IgA from Bovine Mammary Secretions, 227
Pryidinoline
— Distribution of Glycosaminoglycans and the Nonreducible Collagen Crosslink, Pyridinoline in Porcine Menisci, 532

Q

Quantitative Fecal Culture
— Quantitative Fecal Culture for Early Diagnosis of *Corynebacterium (Rhodococcus) equi* Enteritis in Foals, 479

R

Rabbit
— The Normal Microflora of the Female Rabbit's Genital Tract, 272
Racehorse
— Career Profile of the Canadian Standardbred I. Influence of Age, Gait and Sex upon Chances of Racing, 449
— Career Profile of the Canadian Standardbred II. Influence of Age, Gait and Sex upon Number of Races, Money Won and Race Times, 457
— Career Profile of the Canadian Standardbred III. Influence of Temporary Absence from Racing and Season, 471
Removal
— Sow Wastage: Reason for and Effect on Productivity, 205
Reproductive Physiology
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145
Research Uses of Animals
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145
Respiratory Tract
— Experimental Studies on the Pathogenicity of *Mycoplasma ovipneumoniae* and *Mycoplasma arginini* for the Respiratory Tract of Goats, 59
Respiratory Disease
— The Association Between Serological Evidence of Mycoplasma Infection and Respiratory Disease in Feedlot Calves, 179
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351
— A Path Model of Factors Influencing Morbidity and Mortality in Ontario Feedlot Calves, 15
Reticular Groove
— The Route of Liquids Administered to Calves by Esophageal Feeder, 84
Ronidazole
— Probable Elimination of Swine Dysentery After Feeding Ronidazole, Carbadox or Lincomycin and Verification by Feeding Sodium Arsanilate, 365
Rotavirus Infection
— Possible Sex Differences in the Susceptibility of Calves to Rotavirus Infection, 287
Rotavirus
— Distinct Serotypes of Porcine Rotavirus Associated with Diarrhea in Suckling Piglets in Southern Quebec, 130
— An Epidemiological Study of Selected Calf Pathogens on Holstein Dairy Farms in Southwestern Ontario, 307
— Genomic Variations and Antigenic Relationships among Cytopathic Rotavirus Strains Isolated in Quebec Dairy Herds, 126

S

Salmonella
— An Epidemiological Study of Selected Calf Pathogens on Holstein Dairy Farms in Southwestern Ontario, 307
— Toward a National Salmonella Control Program — Inside Back Cover January 1986
Salmonella typhimurium
— Galactose Epimeraseless Mutants of *Salmonella typhimurium* as Live Vaccines for Calves, 165
Sampling
— Abomasal Intubation of Young Calves, 291
Sarcoplasmic Reticulum
— Porcine Malignant Hyperthermia Susceptibility: Hypersensitive Calcium-release Mechanism of Skeletal Muscle Sarcoplasmic Reticulum, 318
— Porcine Malignant Hyperthermia Susceptibility: Increased Calcium-sequestering Activity of Skeletal Muscle Sarcoplasmic Reticulum, 329
Satellite Cell
— Proliferation of Myogenic Cells in the Diaphragm of the Fetal Rabbit, 74
Screening
— A Comparison of Five Serological Tests for Bovine Brucellosis, 485
Screening Tests
— Evaluation of a Commercial Creatine Kinase Screening Test for Malignant Hyperthermia (Porcine Stress Syndrome), 494
Sedation
— Cardiopulmonary Effects of Xylazine and Yohimbine in Laterally Recumbent Sheep, 517
Selective Medium
— Isolation of *Streptococcus suis* using a Selective Medium, 537
Selenium
— Selenium Content in the Hair of Newborn Dairy Heifer Calves and its Association with Preweaning Morbidity and Mortality, 347
— The Two Faces of Selenium — Deficiency and Toxicity — are Similar in Animals and Man, 297
Sensitivity
— A Comparison of Five Serological Tests for Bovine Brucellosis, 485
Serological
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus,

Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351

Serology
— The Association Between Serological Evidence of Mycoplasma Infection and Respiratory Disease in Feedlot Calves, 179
— A Comparison of Five Serological Tests for Bovine Brucellosis, 485

Serotypes
— Distinct Serotypes of Porcine Rotavirus Associated with Diarrhea in Suckling Piglets in Southern Quebec, 130
— Genomic Variations and Antigenic Relationships among Cytopathic Rotavirus Strains Isolated in Quebec Dairy Herds, 126

Serotypes 3:A and 3:D
— Experimental Pneumonia in Rabbits Inoculated with Strains of *Pasteurella multocida*, 36

Serum
— Age-related Alterations in Trimethoprim-Sulfadiazine Disposition Following Oral or Parenteral Administration in Calves, 342

Serum Neutralization
— Development of Evaluation of an Indirect Enzyme Immunoassay for Detection of Porcine Antibodies to Pseudorabies Virus, 422

Sex Differences
— Possible Sex Differences in the Susceptibility of Calves to Rotavirus Infection, 287

Sheep
— Cardiopulmonary Effects of Xylazine and Yohimbine in Laterally Recumbent Sheep, 517
— The Maternal to Fetal Transfer of Immunoglobulins Associated with Placental Lesions in Sheep, 68
— Time Course Changes in Blood Metabolites During Endotoxin Fever in Sheep, 374

Snowshoe Hare Virus
— Arbovirus Infections in Several Ontario Mammals, 1975-1980, 42

Sodium Arsanilate
— Feeding Sodium Arsanilate for Exciting Diarrhea and Identifying Carriers of Swine Dysentery, 359
— Probable Elimination of Swine Dysentery After Feeding Ronidazole, Carbadox or Lincomycin and Verification by Feeding Sodium Arsanilate, 365

Sodium Bicarbonate
— Further Studies on the Clinical Features and Clinicopathological Findings of a Syndrome of Metabolic Acidosis with Minimal Dehydration in Neonatal Calves, 502

Sow Culling
— Sow Wastage: Reason for and Effect on Productivity, 205

Sow Productivity
— Sow Wastage: Reason for and Effect on Productivity, 205

Space
— Prevalence of Respiratory Diseases and their Association with Growth Rate and Space in Randomly Selected Swine Herds, 209

Specificity Tests
— A Comparison of Five Serological Tests for Bovine Brucellosis, 485

St. Louis Encephalitis
— Arbovirus Infections in Several Ontario Mammals, 1975-1980, 42

Standardbred
— Career Profile of the Canadian Standardbred I. Influence of Age, Gait and Sex upon Chances of Racing, 449
— Career Profile of the Canadian Standardbred II. Influence of Age, Gait and Sex upon Number of Races, Money Won and Race Times, 457
— Career Profile of the Canadian Standardbred III. Influence of Temporary Absence from Racing and Season, 471

Stellate Ganglioneuritis
— Studies on the Pathogenesis of Heart Lesions in Dogs Infected with Pseudorabies Virus, 245

Storage
— Stability of Glutathione Peroxidase in Swine Plasma Samples under Various Storage, 390

Streptococcal Infections
— *Streptococcus suis* in Slaughter Pigs and Abattoir Workers, 338

Streptococcus agalactiae
— Preliminary Observations on the use of Latex Agglutination Test for the Detection of Mastitis due to *Streptococcus agalactiae* in Cows, 133

Streptococcus suis
— Isolation of *Streptococcus suis* using a Selective Medium, 537
— *Streptococcus suis* in Slaughter Pigs and Abattoir Workers, 338

Superovulation
— Serum Progesterone Concentrations Associated with Superovulation and Premature Corpus Luteum Failure in Dairy Goats, 369

Survival
— Relationships Between Metabolic Changes and Clinical Signs in Pregnant Sheep Given Endotoxin, 402

Survivorship
— The Effect of Early Calfhood Health Status on Survivorship and Age at First Calving, 314

Swine
— The Effect of Diarrhea on the Oxidation of ^{14}C-Phenylalanine in Piglets Receiving Diets Varying in Protein and Proline Concentration, 393
— Immunoperoxidase Plaque Staining for the Detection of Pseudorabies Virus, 118
— Isolation of *Streptococcus suis* using a Selective Medium, 537
— Prevalence of Respiratory Diseases and their Association with Growth Rate and Space in Randomly Selected Swine Herds, 209
— Stability of Glutathione Peroxidase in Swine Plasma Samples under Various Storage, 390
— *Streptococcus suis* in Slaughter Pigs and Abattoir Workers, 338

Swine Diseases
— Porcine Malignant Hyperthermia Susceptibility: Hypersensitive Calcium-release Mechanism of Skeletal Muscle Sarcoplasmic Reticulum, 318
— Porcine Malignant Hyperthermia Susceptibility: Increased Calcium-sequestering Activity of Skeletal Muscle Sarcoplasmic Reticulum, 329
— Porcine Proliferative Enteritis: Serological, Microbiological and Pathological Studies from Three Field Epizootics, 217

Swine Dysentery
— Electron Microscopic Studies on the Interaction Between Normal Mice Peritoneal Phagocytes and *Treponema hyodysenteriae*, *Treponema innocens* and *Bacterioides vulgatus*, 88
— Feeding Sodium Arsanilate for Exciting Diarrhea and Identifying Carriers of Swine Dysentery, 359
— Probable Elimination of Swine Dysentery After Feeding Ronidazole, Carbadox or Lincomycin and Verification by Feeding Sodium Arsanilate, 365

Synovial Fluid
— Age-related Alterations in Trimethoprim-Sulfadiazine Disposition Following Oral or Parenteral Administration in Calves, 342
— A Comparison of Manual and Electronic Counting for Total Nucleated Cell Counts on Synovial Fluid from Canine Stifle Joints, 282

T

Testosterone
— Embryo Resorption Following Administration of Steroidal Compounds to Rats in Mid Pregnancy, 433
— Plasma Concentration Profiles of Gonadotrophins and Testosterone in the Adult Boar, 427

Total Cell Counts
— A Comparison of Manual and Electronic Counting for Total Nucleated Cell Counts on Synovial Fluid from Canine Stifle Joints, 282

Toxicity
— Interferon Induction with Polyinosinic: Polycytidylic Acid in the Newborn Piglet, 232
— The Two Faces of Selenium — Deficiency and Toxicity — are Similar in Animals and Man, 297

Toxin
— Perivascular Eosinophilic Droplets in Swine Brain Induced by *Escherichia coli* Toxin, 438

Treponema hyodysenteriae
— Electron Microscopic Studies on the Interaction Between Normal Mice Peritoneal Phagocytes and *Treponema hyodysenteriae*, *Treponema innocens* and *Bacterioides vulgatus*, 88
— Feeding Sodium Arsanilate for Exciting Diarrhea and Identifying Carriers of Swine Dysentery, 359

— Probable Elimination of Swine Dysentery After Feeding Ronidazole, Carbadox or Lincomycin and Verification by Feeding Sodium Arsanilate, 365

Trimethoprim/Sulfadiazine
— Age-related Alterations in Trimethoprim-Sulfadiazine Disposition Following Oral or Parenteral Administration in Calves, 342

Tryptone-Yeast Extract Broth
— Tryptone-Yeast Extract Broth as a Culture Medium for *Haemophilus pleuropneumoniae* and *Haemophilus parasuis* to be used as Challenge Inocula, 441

Tylosin
— Antibiotic Disposition in Experimental Pneumonic Pasteurellosis: Gentamicin and Tylosin, 193

U

Ureaplasmas
— The Failure of Fluofamide to Control Ureaplasma in Bovine Semen, 289

V

Vaccination
— Antibody-mediated Resistance Against Duck Enteritis Virus Infection, 380
— Experimental Intramammary Inoculation with *Mycoplasma bovis* in Vaccinated and Unvaccinated Cows: Effect of Milk Production and Milk Quality, 200
— A Path Model of Factors Influencing Morbidity and Mortality in Ontario Feedlot Calves, 15

Vaccine
— Galactose Epimeraseless Mutants of *Salmonella typhimurium* as Live Vaccines for Calves, 165

Vero Cells
— Potential Subtypes of *Chlamydia psittaci* Based on Effects of Cortisone with Cytochalasin B or Cycloheximide, 111

Veterinary History
— Bull Semen and Muscle ATP: Some Evidence for the Dawn of Medical Science in Ancient Egypt, 145

W

Wastage
— Sow Wastage: Reason for and Effect on Productivity, 205

Weight Gain
— The Association Between Serological Titers in Infectious Bovine Rhinotracheitis Virus, Bovine Virus Diarrhea Virus, Parainfluenza-3 Virus, Respiratory Syncytial Virus and Treatment for Respiratory Disease in Ontario Feedlot Calves, 351

X

Xylazine
— Cardiopulmonary Effects of Xylazine and Yohimbine in Laterally Recumbent Sheep, 517
— Effects of Xylazine Administration on Serum Amylase, Pancreas-specific Isoamylase and Pancreatic Polypeptide in Normal Dogs, 123

Xylazine-Ketamine
— Evaluation of a Xylazine-Ketamine Hydrochloride Combination in the Cat, 23

Y

Yohimbine
— Cardiopulmonary Effects of Xylazine and Yohimbine in Laterally Recumbent Sheep, 517
— Prompt Arousal from Fentanyl-Droperidol-Pentobarbital Anesthesia in Dogs: A Preliminary Study, 251

Book Reviews/Analyses de volumes

Animal Stress. Multi-author text summarizes neurological, endocrine and metabolic responses made by animals to stress situations. Edited by Gary P. Moberg, 14

Isolation and Identification of Micro-Organisms of Medical and Veterinary Importance. There are 24 chapters authored by a total of 53 contributors who review the methods currently used in their own laboratories, 294

Manual of Small Animal Cardiology. The book represents the first text devoted to the discipline of veterinary cardiology in the last 15 years, 447

Pathology of Domestic Animals. 3rd Edition. The authors have been successful in challenging pathologist and student to discover, to read critically and to expand horizons, 293

Veterinary Dentistry. Comprehensive enough to be both a tribute to the authors' expertise and one which would now seem to have rendered the practice of veterinary dentistry into scientific discipline, 293

Editorials/Editorials

A New Name for the Journal/Un nouveau titre pour la revue, 1

Letters to the Editor/Lettres à le rédacteur

Pathogenesis of Mycoplasma Pneumonia of Swine, 136
Susceptibility of *Escherichia coli* from Bovine Mastitis to New Antimicrobial Drugs, 543